Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Construction of RCC drain in 4th and 5th cross roads North side at Prashanthnagara, in ward no.13, in Shettyhalli Sub-Division

Est .Cost Rs. 27.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-3. Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. Page No. 141/ Item No. 19.1/ PWD SR 2015-16								
	4th cross deadend - RCC drain	Cum	2	130.00	0.90	0.70	163.80		
	4th cross From Ramesh road to deadend RCC drain		2	58.00	0.90	0.70	73.08		
	5th cross N/s - RCC drain		1	105.00	0.90	0.75	70.88		
							307.76	83.16	**25593.00**
	Basic Rate	77.00							
	Area Weightage @ 8%	6.16							
		83.16							
2	KSRB 4-1.2: Providing and laying in position plain cement concrete of nominal mix M 10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2 Page No. 12/ Item No. 4.2/ PWD SR 2015-16	Cum							
	RCC Drain		2	130.00	0.90	0.15	35.10		
			2	58.00	0.90	0.15	15.66		
			1	105.00	0.90	0.15	14.18		
							64.94	5139.94	**333762.00**
	Basic Rate	4849.00							
	Area Weightage @ 6%	290.94							
	Total	**5139.94**							
3	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with with 20mm and down size graded granite metal, coarse aggregate @ 0.69 cum and fine aggregates @ .460cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafairmed -2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings,pedastals,retaining walls, staircase, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 ,P.13/I.4.11/ PWD SR 2015-16								
	Walls	Cum	2x2	130.00	0.13	0.70	45.50		
	Bed		2	130.00	0.70	0.130	23.66		
			2x2	58.00	0.13	0.70	21.11		
			2	58.00	0.70	0.150	12.18		

			2x1	105.00	0.13	0.70	19.11		
			1	105.00	0.70	0.130	9.56		
			2	115.00	0.90	0.150	31.05		
			2	50.00	0.90	0.150	13.50		
			1	100.00	0.90	0.150	13.50		
							189.17	6083.34	**1150767.00**
	Basic Rate	5739.00							
	Area Weightage @ 6%	344.34							
	Total	**6083.34**							
4	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3, TMT bars Fe 500. Page No. 17/ Item No. 4.46.2/ PWD SR 2015-16								
		Qtls		189.17	x	60kgs	113.50		
							113.50	6851.31	**777625.00**
	Basic Rate	6463.50							
	Area Weightage @ 6%	387.81							
	Total	**6851.31**							
5	KSRB 4-6.9: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walss at any thickness,including attached pilasters,buttresses, plinth and string courses cost of all materials, labour complete as per specification. Specification No. KSRB 4.6.9. exceeding 1m in depth. Page No. 15/ Item No. 4.31/ PWD SR 2015-16	Sqm							
	for RCC drain Walls		2x2	130.00		0.70	364.00		
			2x2	58.00		0.70	162.40		
			2x1	105.00		0.70	147.00		
			2	115.00		0.600	138.00		
			2	50.00		0.600	60.00		
			1	100.00		0.600	60.00		
							931.40	301.04	**280389.00**
	Basic Rate	284.00							
	Area Weightage @ 6%	17.04							
		301.04							
6	Providing & laying reinforeced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.	Sqm							
	for Covering slabs		2	21.00	0.60	0.90	22.68		
			2	10.00	0.60	0.90	10.80		
			1	30.00	0.60	0.90	16.20		
	Approved Rate of Precast slab	1600					**49.68**	1600	**79488.00**

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7	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 68.00 (P.133 I.18.57/1) 2015-16						27,00,000/- (Rs - 25 ಕಿ.ಮೀ. ಒಳಗೆ)		
	Qty Vide Item No=1+2	Cum					307.76		
	Qty Limited to						307.76	81.73	25154.00
	(For 3 km = 3 x 1.28 x 2.0)	7.68							
	Loading and Unloading Charges	68.00							
		75.68							
	Area Weightage @ 8%	6.05							
	Total	81.73							
								Sub Total	2672778.00
8	Add Quality control charges @1%						L.S		27000.00
									129.00
9	Miscellaneous and unforseen Charges						L.S		222.00
								Total	2700000.00

(Rupees Twenty seven Lakhs Only)

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2015-16
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

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Rs 2700000 (Rs. ಇಪ್ಪತ್ತೇಳು ಲಕ್ಷ)